DOCUMENT RESUME

ED 253 350 PS 014 922

AUTHOR Carlson, Helen L.
TITLE Becoming and Being a Teen Parent: A Literature Review.
SPONS AGENCY Minnesota Univ., Minneapolis. Graduate School.
PUB DATE 6 Feb 85
NOTE 25p.
PUB TYPE Information Analyses (070)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Adolescents; *Early Parenthood; *Etiology; Fathers; Literature Reviews; Mothers; *Parent Child Relationship; *Parent Role; *Social Services; Social Support Groups
IDENTIFIERS *Causal Influences; *Dyadic Interaction Analysis; Research Trends

ABSTRACT

The purpose of this report is to give an updated perspective on teenage parents. It is suggested that, from the late 1960's to the early 1980's, thinking about the issue of adolescent parenting has shifted away from viewing teen parents primarily as intrapersonally and interpersonally deficient, from conducting teen-parent studies in a bivariate linear manner, from regarding teen-parent programs only at the micro-level, from studying only the teen mother, and from gathering global measures of development. The discussion focuses on these shifts by examining: (1) causes and effects of teen parenting; (2) programs and support systems designed to meet the needs of adolescent parents; (3) studies focused on the role of the teen father; and (4) research related to in-depth analyses of dyadic interactions between teen parents and their young children. Implications are drawn for those whose role it is to support adolescent families. To gain information, approximately 300 sources were reviewed. Over 90 percent of these sources either discussed the causes and effects of teen parenting or reviewed programs for adolescent parents. The remaining 10 percent described the role of the teen father and the dyadic interactions between teen parents and their children. Recommendations based on the review are offered. (RH)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED253350

Becoming and Being a Teen Parent--

A Literature Review

by

Helen L. Carlson, Ph.D.
University of Minnesota, Duluth

February 6, 1985

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
H. Carlson
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

Completed through a research grant
from the University of Minnesota Graduate School

PS 014922

The pregnancy rate among adolescent women has increased in the last thirteen years. For example, in the state of Minnesota, among women aged fifteen to nineteen years of age, the pregnancy rate increased thirty-seven percent, while the overall pregnancy rate for all women decreased seven percent. Of 12,000 pregnancies in the adolescent population, in this time period, thirty-two percent resulted in births to married teenagers; twenty-five per cent, out-of-wedlock births; forty-three percent, induced abortions or fetal deaths. In 1980, there were over 5,700 births to fifteen to nineteen year old mothers, yet only 400 marriages occurred in the same year among this group of mothers. (Minnesota Center for Health Statistics, 1982; Spadaccini and Whiting, 1983).

At the national level, according to the Vital and Health Statistics data (Ventura, 1980), there has been an increase in the illegitimacy rate for teenagers, particularly those aged fifteen to seventeen years (17.1 per thousand births in 1973, as compared to 19.3 per thousand births in 1976.) This has occurred at a time when the overall illegitimacy rate has been declining. In 1975, over fifty-two percent of illegitimate infants were born to mothers under twenty years of age. Since 1976, the birth rates for women aged fifteen to nineteen years has remained constant, although the numbers have increased. In the United States in 1976, about 1,222,000 women fifteen to nineteen years of age were married, divorced, or separated. Of these, 480,000 were mothers of at

BEST COPY

least one child and 332,000 were never married mothers. Over ninety per cent of the unmarried adolescents giving birth kept their infants (Spadaccini and Whiting, 1983).

The purpose of this report is to give an updated perspective on the portion of teenagers whose pregnancies resulted in live births. From the late 1960's to the early 1980's, there have been gradual shifts in thinking, shifts away from 1) viewing teen parents primarily as intra- and interpersonally deficient, 2) conducting teen-parent studies in a bivariate linear manner, 3) regarding teen-parent programs only at the narrow micro-level, 4) studying only the teen mother, and 5) gathering global measures of development. This essay will focus on these shifts by examining 1) the causes and effects of teens becoming parents, 2) the programs and support systems designed to meet the needs of adolescent parents, 3) the studies focused on the role of the teen father, and 4) research related to in-depth analyses of the dyadic interactions between teen parents and their young children. Implications will then be dra for those whose role it is to support adolescent families.

To gain this perspective, almost three hundred information sources were reviewed. Over ninety percent of these sources either discussed the causes and effects of teen parenting or reviewed programs for adolescent parents. The remaining ten percent described the role of the teen father and the dyadic interactions.

From Deficiency to Adequacy--The Causes and Effects of Becoming a Teen Parent

Early Studies

In the 1960's and early to middle 1970's, following earlier anthropological findings (Osofsky, 1968), unmarried teenage mothers were usually depicted as

BEST COPY

being at risk and inadequate. Intrapersonally, they had not resolved Oedipal conflicts and were often emotionally disturbed and impulsive. They had improperly formed ego structures, poor reality testing and low self-esteem, (Hussain and others, 1976; Juhasz, 1974; Meyerowitz and Malev, 1973; Mecklenburg, 1973; Miller, 1974). Interpersonally these mothers exhibited a symbiotic relationship with their own mothers and had poor interfamilial interacton; they were not involved in church or school activities, often being truant. Further, they frequently engaged in sexual activity, acted out, and experienced societal rejection (Connell, 1971; Curtis, 1974; Gottschalk, Titchener, Piker, 1964; Mecklenburg, 1973; Meyerowitz and Malev, 1973; Plinois, 1975; Segal, 1973). The pregnancies were usually unplanned or seen as a means to escape an unhealthy home situation. Psychological and cognitive factors blocked the conversion of birth control knowledge into successful practice (Cobliner, 1974).

Studies in the 1970's

Researchers in the latter part of the 1970's continued to find some of the inadequacies cited earlier (Blau, 1979; Hertz, 1977; Kaplan and others, 1979; Sugar, 1976). The focus of research became increasingly multifaceted as environmental factors, comparative studies, and follow-up investigations added to an increased understanding of teen parents and their children. The findings of studies which examined the dynamics of income, family background, and socioeconomic status were sometimes contradictory. In a follow-up study of 400 families in Baltimore, children of adolescent parents had less stress and higher self concepts than children of older mothers, yet they had lower academic achievement and more psychosocial problems (Hardy and others, 1978). In another study, comparisons of the children of younger and older mothers, both of low socioeconomic status, showed no significant differences in test scores, behavior and

BEST COPY

social adjustment ratings, school cumulative record data, or the attitudes and practices of parents (Cohen and others, 1979; Morrow, 1979, Wutka, 1977).

Several studies examined the effects of the lives of the adolescent unmarried parents themselves. Truncated schooling, reduced occupational attainment, lower income level, greater job dissatisfaction, more children than desired, possible early marriages ending in dissolution--these were some of the effects noted (Cannon-Bonventre and Kahn, 1979; Card and Wise, 1979; McKenry, Walter, and Johnson, 1979; Moore and Hofferth, 1978; Presser, 1975; Sugar, 1976).

Societal forces were found that related to a concentration of illegitimacy in the teen and pre-teen years--increasing unstigmatized sexual activity, decline in the double standard of morality, improving physical health and earlier maturation, decreasing numbers of forced marriages, and the possible use of contraceptives (Chilman, 1976).

Studies in the 1980's

In the 1980's some research studies continued to place emphasis on the intrapersonal factors which indicated psychological need among unmarried adolescent parents (Colletta, 1982; Brown, Adams, and Kellam, 1981; Falk, Gisper, and Baucom, 1981; Rogeness and others, 1981a). However, several 1980's studies found no systematic differences in the psychological makeup of unmarried teen parents and their peers (Pettapiece, 1980; Peabody and Patrick, 1981). When socioeconomic factors were controlled, researchers in the 1980's found few or no differences in babies born to adolescent mothers as compared to older mothers (Chilman, 1980; Finkelstein, 1982; Garcia, Sepkoski, Lester, 1982; Gunter and Labara, 1980; Roosa, Fitzgerald, Carson, 1982 a; Roosa, Fitzgerald, Carson, 1982 b). Health complications were found among young (under 14) adolescent parents who

BEST COPY

had more premature deliveries and neonatal deaths (Elster and McArarney 1981; Finkelstein, 1982). In contrast to earlier vital statistics analysis reports, Rothenburg and Varga (1981) found that children of younger mothers as compared to children of older mothers had higher Apgar scores at birth and scored better on the total and fine motor sections of the Denver Developmental Screening Test.

Other conclusions were reached in a longitudinal study with over 1000 persons (Howell and Freses, 1980). Neither socioeconomic origins, parental child-rearing techniques, academic abilities, nor preadolescent aspirations were related to unmarried adolescent parenthood. Sex, race, and a maternal fatalism paradigm (women's roles are to be mothers) were the significant factors in this adult role transition. In the area of child maltreatment, several dynamic variables were present for both older and younger mothers. However, adolescent child abusers were more motivated by situational factors such as financial stress, where older person had more intrapersonal problems (Bolton and others, 1980). The "illegitimacy runs in families" hypothesis was questioned by Field and others (1980).

Overall, the emphasis in research has shifted from the portrayal of an at-risk adolescent to a person who is potentially capable but greatly influenced by factors in a larger society. Perhaps this change parallels the change in value paradigms in the macro-system. When stigmas for out-of-wedlock births were more prevalent, it appears that intra- interpersonally needy adolescents became pregnant or at least these persons were more accessible to researchers. Serious examination of the extra-personal factors, such as socioeconomic status, became possible when unmarried pregnant adolescents from a greater variety of background increasingly became more available for study.

BEST COPY

From Micro-program to the Broader Context--Programs and Support Systems for Adolescent Parents--Overall Programs

Much of the research on programs for unmarried adolescent mothers and their effects has been descriptive and short-range rather than experimental and longitudinal. Nevertheless, program patterns do emerge from various studies. The majority of programs, whether based in schools, medical facilities, or community social service agencies; whether public or private, were interdisciplinary and comprehensive in nature (Bennett and Bardon, 1977; Braen and others, 1969; Casey, 1974; Dawdy, 1969; Goodman, 1968; Hartman, 1970; Kyu-Taik, 1981b; Lewis and others, 1975; Levenson and others, 1979; Los Angeles, 1967; Klein, 1975; Magrab and Danielson, 1979; Palmer, 1981; Rogeness and others, 1981 a; Washington, 1975). Organizationally, a variety of formats such as the following appeared to be possible: home-based, home-based with group meetings, home-based with follow-up mailings, extended-family centers, maternity homes, day care and educational experience at school sites; group education with hotline; networks of services. (Badger, 1980; Benas, 1975; Kyu-Taik, 1981a: Sharpe, 1975; Smith, 1975; Stone, 1975; Truss and others, 1977.)

Specific Program Considerations

Several matters seemed to be specific to various years. Many programs in the 1960's were therapy rather than educationally focused (Balsam and Lidz, 1969; Clark, 1967; Dawdy, 1969). In the 1970's therapy intervention continued, but seemed to be primarily utilized by the minority of teen parents who were psychologically quite needy. (Benas, 1975; Bomar, 1975; Golant, 1980).

In the latter part of the 1970's special education was provided to adolescent parents as their right rather than their privilege (Slavik, 1975).

BEST COPY

Programs were developed for tribal girls and bilingual students (Choices and Careers, 1977; Hollinshead, 1975). The special needs of handicapped and pre-term infants and their adolescent parents were addressed (Levenson, 1978b; Field, 1980).

Program Criticisms

Criticism of both social service and educational programs in general occurred in the 1980's. Zellman (1981) stated that 1) schools do not seek or want an active role in student pregnancy or parenthood; 2) special programs are usually dependent on the dedication of a single individual; 3) quality is uneven within and across programs; 4) each special program model, whether included in, supplementary to, or extra curricular is unable to meet the diverse needs to pregnant adolescents; 5) pregnant students make most decisions about pregnancy and school continuation without school staff input; 6) few programs conduct out-come evaluations that look at the long-term results of their efforts.

Cartoof (1982) stated that AFDC maintained dependency and weakened the family support system and Brown (1982) cited the inadequacy of social services, particularly as they relate to the economic well-being of the adolescent parent.

In the 1980's also, reseachers began to focus on the importance of the teen mother's family support system. The adolescent's own mother, particularly after pregnancy was confirmed, appeared to be a significant figure in filling the adolescent's own develpmental needs as well as buffering the effects of single parenting for the infant (Eleanor Smith, 1975; Rosen, 1977). In one study, sixty-four percent of ninety-eight teen mothers stated that their own mothers were their main sources of emotional support as well as providing an excellent model for child rearing (Epstein, 1980). Financial and emotional

BEST COPY

assistance allowed the teen mother to finish school, to be more socially involved, to exhibit high educational achievement and economic advancement (Colletta, 1981 b: Furstenburg, 1978, 1980). Further, the support provided by a relative and/or the teen father were the most consistent predictors of quality maternal behavior (Colletta, 1981 b). Concern was expressed about staff attitudes toward teen parents and the need for staff to have an understanding of the developmental tasks of both adolescents and infants and toddlers (Bierman and Bierman, 1978; Daniels, 1969; Levenson and others, 1978a).

Summary of Programs

Increasingly, recognition of the moral and social importance of the wider context in which the teen parent is embedded has led to concern with providing better education, housing and employment. Roosa, Fitzgerald, and Carson (1982 a)have suggested a multivariate predictive research paradigm as an aid in understanding teen parents from a broader viewpoint. Fisher and Scharf (1980) in their anthropological, sociological, and psychological overview have stated that successful programs seem to replicate what anthropology has observed about those cultures that have to deal with pubertal mothers--that is, that modeling, rule giving, and nurturance create a "holding environment" in which adolescent mothers can be properly nourished and learn to hand down this new experience to their own offspring. The study of individual program formats and variables needs to be considered in dynamic relationship to the rest of society.

From Mother Only to the Inclusion of the Father

Of the nearly three-hundred references used as a basis in this review, less than five percent considered the adolescent father. Three studies done in the late sixties and early 1970's sought to 1) help the father in couple counseling; 2) glean information about the birth father for future adoptive parents, and

BEST COPY

3) provide help in employment, education, and contraception, especially for fathers forced into early marriage (Howard, 1971; Shubin, 1968; Price, 1971).

Several studies reported in the late 1970's and the early 1980's focused on the characteristics of the father as a person, the father's role with both the mother and child, and the support systems available to the father. Although one set of interviews portrayed the father as frightened, withdrawn, and confused (Barret and Robinson, 1981a), other studies emphasized the importance of the father as caregiver and playmate in enhancing the infants' cognitive and social-emotional development as well as serving as support for the mother. Over fifty percent of expectant fathers expressed the desired for continued involvement with the mother and infant, and almost twenty-five percent were actually involved twenty-six months after the birth of the baby (Barret and Robinson, 1982b; Earls and Siegel, 1980; Hendricks, 1982; Lorenzi, Klerman, and Jekel, 1977).

Adolescent fathers appeared to turn overwhelmingly to their families of origin for support rather than personal friends, teachers, clergy, or social service agencies (Hendricks, 1980).

Even though a beginning has been made in the consideration of the importance of the father, Robinson and Barret (1982) have suggested that the study of adolescent fathers is confused or neglected in research and advocates a closer, multivariate examination.

From Global Measures of Development to Interactional Dyadic Analysis

Paralleling the larger, society, researchers in the late 1970's and early 1980's have begun to look the dyadic interactions between teen parents and their young children and factors that affect the quality of this interaction.

BEST COPY

McLaughlin and others (1979) found, among other things, that black non-users of day care showed more positive interactional behaviors than those who used day care. Hofmeier (1980) suggested that enhanced psychomotor development was a function of the responsive vocationalizations of teen mother and infant. Wise and Grossman (1980) stated that ego strength, pediatrics, and infant temperament were closely related to the quality of attachment and interactional pattern among teen parents. Carlson (1983) found correlations between sensitive adult styles and cooperative child styles in teen parent/child dyads. In the same study, passive child styles were related to directive and withdrawn teen parent styles.

This current focus of research has indicated the significance of studying the subtleties of interaction among teen parents and their offspring.

Summary and Implications

The emphasis in research over the last fifteen-twenty years related to teen parenting has shifted from the portrayal of a deviant, psychologically needy, unmarried adolescent to a person who is sometimes very capable but greatly influenced by societal factors. The study of individual program formats to meet the needs of teen parents has broadened to include the dynamic interrelationship between single programs and conditions in the larger society--education, housing, employment, medical care, and day care. A new appreciation of the role of the teen mother's mother and/or family support system has arisen. Consideration of the teen father as a "source-of-information" only has shifted to acknowledgement of him as a person who can make significant contributions to the welfare of his child. Paralleling the larger society, microanalyses of the interactions of teen parents with their offspring has also begun. Sensitive interactive styles among parents were related to cooperative child styles, and

BEST COPY

withdrawn and directive parent styles were related to passive child styles.

Specific recommdations that emerge from the research include the following:

1. Teen mothers could be viewed as individuals with considerable strengths. Although the intra- and inter- personal needs of many of the teen parents cannot be overlooked, program planning could identify and build on the strengths of each of the teens.

2. Programs to meet the needs of teen parents need to make impact on the broader societal context in which the adolescent lives. Needs related to housing, employment, day care, medical care, and educational opportunities need to be addressed before education in specific parenting skllls will be meaningful.

3. Programs to meet the needs of teen parents could consider the adolescent's own mother and family as well as the father of the baby as important and crucial components.

4. A responsive, dyadic, turn-taking interaction has been considered necessary in enhancing the development of young children. This same responsive turn-taking could form a significant psychological and philosophical framework for the interactions of program staff with teen parents.

If comprehensive programs cannot be maintained, then many teen parents will continue to have uncompleted education, welfare dependency, divorce, and reduced potential for meaningful employment and life fulfillment.

BEST COPY

Bibliography

A Bill to Enact the National School-Age Mother and Child Health Act of 1976. Washington, D.C.: House of Representatives, Ninety-fourth Congress, Second Session, 1976. ED 133676.

Adolescent Pregnancy. Hearing before the Subcommittee on Select Education of the Committee of Education and Labor. Washington D.C.: Ninety-fifth Congress of the United States, 1977. ED 165375.

Anastasiow, Nicholas, J. and others. Preventing Tomorrow's Handicapped Child Today. Washington, D.C.: Bureau of Education for the Handicapped, 1977. ED 143765.

Appel, Yetta and Berkin, Ruth R. Educational Facilities for Pregnant School-Age Girls. Brooklyn, New York: New York City Board of Education, 1969. ED 041992.

Badger, Earladeen. "Recruitment and Attendance of High Risk Adolescent Mothers for Training in Parenting," Journal of Adolescence, 4, No. 3 (August, 1981) 219-229.

Badger, Earladeen & Burns, Donna. "Impact of A Parent Education Program on the Personal Development of Teenage Mothers," Journal of Pediatric Psychology, 5, No. 4 (December, 1980) 415-422.

Badger, Earladeen, Burns, Donna & Rhoads, Belinda. "Education for Adolescent Mothers in A Hospital Setting," American Journal of Public Health 66, No. 5 (1976) 469-472.

Balsam, Alan & Lidz, Ruth W. "Psychiatric Consultation to a Teenage Unwed Mothers Program." Connecticut Medicine 33, No. 7 (January 1969) 447-452.

Barret, Robert L., Robinson, Bryan E. "A Descriptive Study of Teenage Expectant Fathers." Family Relations: Journal of Applied Family and Child Studies, 31, No. 3 (July, 1982a) 349-352.

Barret, Robert L., Robinson, Bryan E. "Teenage Fathers: Neglected Too Long", Social Work, 27, No. 6 (November, 1982b) 484-488.

Benas, Evelyn. "Residential Care of the Child--Mother and Her Infant: An Extended Family Concept." Child Welfare, 54, No. 4 (April, 1975) 290-294.

Bennett, Virginia, Bardon, Jack I. "The Effects of a School Program on Teenage Mothers and Their Children." American Journal of Orthopsychiatry, 47, No. 4 (October, 1977) 671-678.

Bierman, Babette R., Bierman, Joseph S. Parenting a Toddler: Problems Encountered by Adolescent Mothers. Washington, D.C.: Department of Health, Education, and Welfare, 1978. ED 190 249.

BEST COPY

Blau, Rita Rachel. "The Pregnant Teenager and Her Mother". Dissertation Abstracts International, 4, No. 1 (1979) 439-B.

Bolton, F. G. and others. "Child Maltreatment Risk among Adolescent Mothers: A Study of Reported Cases," American Journal of Orthopsychiatry, 50, No. 3 (July, 1980) 489-504.

Bomar, Perry J. "The Nursing Process in the Care of Hostile Pregnant Adolescents", Maternal-Child Nursing Journal, 4, No. 2 (Summer, 1975) 95-100.

Braen, Bernard B. and others. An Interdisciplinary Program for Unwed Pregnant Adolescents. Syracuse, New York: Public Schools, 1969. ED 019 687.

Brook, Judith and others. "Relationship of Maternal and Adolescent Perceptions of Maternal Child-Rearing Practices", Perceptual and Motor Skills, 51, No. 3 (December, 1980) 1043-46.

Brown, Hendricks, Adams, Rebecca, G., Kellam, & Sheppard, G. "A Longitudinal Study of Teenage Motherhood and Symptoms of Distress: The Woodlawn Community Epidimeological Project", Research in Community and Mental Health, 2, (1981) 183-213.

Brown, Shirley V. "Early Childbearing and Poverty: Implication for Social Services". Adolescence, 17, No. 66 (Summer, 1982) 397-408.

Cannon-Bonventre, Kristina & Kahn, Janet. The Ecology of Help-Seeking Behavior among Adolescent Parents. Washington, D.C.: Administration of Children, Youth, and Families, 1979. ED 176158.

Card, Josefina J. & Wise, Lauress L. "Teenage Mothers and Teenage Fathers: The Impact of Early Childbearing on Parents' Personal and Professional Lives", Family Planning Perspectives, 10 No. 4 (July, 1978) 199-205.

Carlson, Helen L. "Teen parents and Trained Educarers: A Study of Their Views of and Dyadic Interactions with Children." (In press, 1983).

Cartoof, Virginia G. "Postpartum Services for Adolescent Mothers, Part 2. Child Welfare, 61, No. 5 (May, 1982) 269-278.

Casey, Vera M. "High School Parent/Child Education Centers". Child Welfare, 29, No. 2 (January, 1974) 90-95.

Cherniss, Deborah Spitz, Pawl, Jeree & Fraiberg, Selma. "Developmental Guidance and Supportive Treatment for a Failure-to-Thrive Infant and Her Adolescent Mother", in S. Fraiberg, Clinical Studies in Infant Mental Health. New York: Basic Books, 1980, 103-140.

Chilman, Catherine S. Possible Factors Associated with High Rate of Out-of-Marriage Births among Adolescents. Milwaukee, Wisconsin: School of Social Welfare, 1976. ED 137659,

BEST COPY

Chilman, Catherine S. "Social and Psychological Research Concerning Adolescent Childbearing." Journal of Marriage and the Family 42, No. 4 (November 1980) 793-805.

Choice and Careers: Free to Choose. A Career Development Project for Tribal Girls. Madison, Wisconsin: University of Wisconsin, 1977. ED 152 448.

Clark, Ann L. "The Crisis of Adolescent Unwed Motherhood", American Journal of Nursing, 67, No. 7 (1967) 145-1469.

Cobliner, W. Godfrey. "Pregnancy in the Single Adolescent Girl: The Role of Cognitive Functions", Journal of Youth and Adolescence, 3, No. 1 (March, 1974) 17-29.

Cobliner, W. Godfrey. "Who is Most at Risk?", Female Patient 6 (May, 1981) 63-68.

Cohen, Patricia and others. Intellectual and Behavioral Status of Children Born to Adolescent Mothers. Bethesda, Maryland: National Institute of Child Health and Human Development. 1979. ED 189 786.

Colletta, Nancy D. Depression and the Maternal Behavior of the Adolescent Mother. Washington, D.C.: Paper presented at the National Council of Family Relations Annual Meeting (1982).

Colletta, Nancy D. "Social Support and the Risk of Maternal Rejection by an Adolescent Mother", Journal of Psychology, 109, No. 2 (November 1981) 191-197.

Colletta, Nancy D. The Influence of Support Systems in the Maternal Behavior of Young Mothers. Boston, Massachusetts: Paper presented a the Biennial Meeting of the Society for Research in Child Development. (1981b) ED 202 599.

Connell, Elizabeth B. "Pregnancy, The Teenager, and Sex Education", American Journal of Public Health, 61, No. 9 (January 1971) 1840-1845.

Curtis, France L. "Observation of Unwed Pregnant Adolescent Mothers", American Journal of Nursing, 74, No. 1 (January 1974) 100-102.

Daniels, Ada M. "Reaching Unwed Adolescent Mothers", American Journal of Nursing, 69, No. 2 (1969) 332-335.

David, Henry P. & Baldwin, Wendy P. "Childbearing and Child Development: Demographic and Psychosocial Trends", American Psychologist 34 No. 10 (October 1979) 866-871.

Dawdy, Arletta. "Group Services for Teenage Mothers", in Double Jeopardy, The Triple Crisis...Illegitimacy Today. New York: National Council on Illegitimacy, 1969.

Dixon, Richard D. "The 'Illegitimacy Runs in Families' Hypothesis Reconsidered", Journal of Black Studies, 11, No. 3 (March 1981) 277-87.

BEST COPY

Earls, Felton & Siegel, Benjamin. "Precocious Father", American Journal of Orthopsychiatry, 50, No. (July 1980) 469-480.

Elster, Arthur B. & McAnarney, Elizabeth R. "The Pregnant Adolescent". Psychiatric Annals, 11 No. 8 (January 1981) 27-29; 33-34.

Epstein, Ann. Assessing the Child Development Information Needs by Adolescent parents with Very Young Children. Ypsilanti, Michigan: Michigan Office of Child Development, 1980. ED 183 286.

Erf, Linda A. "A Moratorium for Growth, Group Work with Adolescent Mothers", Clinical Social Work Journal, 9, No. 1 (Spring 1981) 44-56.

Eric Clearinghouse on Reading and Communication Skills. Interpersonal, Nonverbal, and Small Group Communication: Abstracts of Doctoral Dissertations July-December 1982. Urbana, Illinois: Eric Clearinghouse on Reading and Communication Skills, 1982. ED 225 208.

Falk, Ruth, Gispert, Maria & Baucom, Donald. "Personality Factors Related to Black Teenage Pregnancy and Abortion", Psychology of Women Quarterly, 5, No. 5 (1981) 737-746.

Field, Tiffany M. and others. "Teen-Age Lower Class, Black Mothers and Their Pre-Term Infants: An Intervention and Developmental Follow-up", Child Development, 51, No. 2 (June 1980) 426=36.

Finkelstein, Jordon W. "Teenage Pregnancy and Parenthood: Outcome for Mother and Child", Journal of Adolescent Health Care, 3, No. 1 (August 1982) 1-7.

Fisher, Susan & Sharf, Kathleen Rudd. "Teenage Pregnancy: An Anthropological, Sociological, and Psychological Review", Adolescent Psychology 8 (1980) 393-403.

French, Lawrence A. Social Problems among Cherokee Females: A Study of Cultural Ambivalence and Role Identity. Montreal, Quebec: Paper presented at the Joint Meeting of the American Sociology Association and the Rural Socialical Society, 1979. ED 096 038.

Freshnock, Larry & Cutright, Phillip. "Models of Illegitimacy: United States, 1969". Demography, 16, No. 1 (February, 1979) 37-47.

Furstenberg, Frank F. "Burdens and Benefits: The Impact of Early Child= bearing on the Family" Journal of Social Issues, 36, No.1 (Winter 1980) 64-87.

Furstenberg, Frank F. Teenage Parenthood and Family Support. Washington, D.C. Paper Presented for the National Research Forum on Family Issues, 1980. ED 205 260.

Furstenberg, Frank F. Unplanned Parenthood: The Social Consequences of Teenage Childbearing. New York: Free Press, 1976.

Furstenberg, Frank F & Crawford, Albert G. "Family Support: Helping Teenage Mothers to Cope", Family Planning Perspectives, 10, No. 6 (July 1978) 322-333.

BEST COPY

Garcia, Coll Cynthia, Sepkoski, Carol & Lester, Barr M. "Effects of Teenage Childbearing on Neonatal and Infant Behavior in Puerto Rice", Infant Behavior and Development, 5, No. 3 (July 1982) 227-236.

Garrett, Judith Healer. Early Intervention for High Risk Infants and Their Adolescent mothers. Washington, D.C.: National Children's Center, 1981. ED 214 330.

Glimps, Blanche Eloise Jackson. "An Exploratory Study of the Childrearing Attitudes and Caregiving Behaviors of Selected Adolescent Mothers," in Dissertation Abstracts International 40, No. 10 (1980) 5398-A.

Golant, Maurice Calvin, "The Effects of Group Counseling on Locus of Control with Pregnant Teenagers," Dissertation Abstracts International 40, No. 10 (1980) 4321 A.

Goldfeld, Carol. "Life as A Teenage Mother," Journal of Current Social Issues 15, No. 1 (January, 1978) 52-54.

Goldsmith, Sadja. "Teenagers, Sex, and Contraception," Family Planning Perspective 4, No. 1 (January, 1971) 32-38.

Goodman, Elizabeth M. "Habilitation of the Unwed Teenage Mother: An Interdisciplinary and Community Responsibility". Child Welfare 47, No. 5 (1968) 274-280.

Gottschalk, Louis A., Titchener, Jane L. & Piker, Helen N. "Psychosocial Factors Associated with Pregnancy in Adolescent Girls: A Preliminary Report", Journal of Nervous and Mental Diseases, 138, No 6 (June 1964) 524-534.

Gunter, Nancy C. & Labara, Richard C. "The Consequences of Adolescent Childbearing on Postnatal Development" International Journal of Behavioral Development, 3, No 21 (July 1980) 191-214.

Hardy, Janet B. and others. Socialization of the Urban Child. Johns Hopkins Child Development Study. Final Report. Washington, D.C.: Office of Child Development, 1978. ED 160 699.

Hartman, Evelyn D. "Involvement of a Maternity and Infant Care Project in Pregnant Schools Girl's Program In Minneapolis, Minnesota." Journal of School Health, 40, No. 5 (1970) 224-227.

Heller, Jeffrey R, Kiraly, John. "An Educational Program for Pregnant School Age Girls". Clearing House 47:8 (April 1973).

Hendricks, Leo E. Some Social and Psychological Factors Associated with Black, Unmarried Adolescent Fatherhood: A Preliminary Report. Washington, D.C.: Paper Presented at the National Council on Family Relations, 1982a.

Hendricks, Leo E. "Unmarried Black Adolescent Fathers' Attitudes toward Abortion, Contraception, Sexuality: A Preliminary Report." Journal of Adolescent Health Care, 2, No. 3 (March 1982b) 199-203.

Hendricks, Leo E. "Unwed Adolescent Fathers: Problems They Face and Their Sources of Social Support". Adolescence, 60, No. 15 (Winter 1980) 861-869.

BEST COPY

Hertz, Dan G. "Psychological Implications of Adolescent Mothers-to-be." Psychosomatics, 18. No., 1 (September 1977) 13-16.

Herzog, Elizabeth. "Unmarried Mothers; Some Questions to be Answered; Some Answers to be Questioned". Psychosomatics, 18, No. 1 (September 1977) 13-16.

Hoepper, Marie. Early Adolescent Childbearing: Some Social Implications. Santa Monica, California: Rand Corporation, 1977.

Hofferth, Sandra L. and Moore, Kristin A. The Consequences of Age at First Childbirth: Causal Models. Working paper. Washington, D.C.: National Home Study Council, 1979. ED 164 701.

Hofmeier, Julie Ann. "The Adolescent Mother and Her Infant: Correlates of Transaction and Development." Dissertation Abstracts International, 40, No. 11 (1980) 5717-A.

Hollinshead, Merrill T. Bilingual Instruction in Reading and Mathematics of Pregnant Non-English Speaking Students. Brooklyn, New York: Board of Education, 1975.

Honig, Alice Sterling. Developmental Effects on Children of Adolescent Parents. 1980. ED 217 969.

Hoogan, Elaine L., Rosenberg, Jo & Richmond, Alvin. "A Group Therapy Experience with Unwed Adolescent Mothers: Repairing the Mother/Child Bond." Transnational Mental Health Research Newsletter, 18, No. 1 (Spring 1976) 11-15.

Howard, Marion. "Outlook and Outreach for the Young Father." American Journal of Orthopsychiatry, 41, No. 2 (1971) 294-2395.

Howell, Frank M. and Freses, Wolfgang. Adult Role Transitions: Some Antecedents and Outcomes Early in Life Course. Washington, D.C.: Cooperative State Research Service, 1980. ED 206 422.

Hunt, Willima B. Adolescent Fertility Risks and Consequences. Washington, D.C.: George Washington University Department of Medical and Public Affairs Population Reports, 1977. ED 131 391.

Hussain, S. E. and others. "Psychological Background of Unwed Motherhood." Indian Journal of Clinic Psychology 3, No 2 (1976) 183-187.

Johnson, Clare L. Adolescent Pregnancy and Poverty: Implications for Social Policy. Athens, Georgia: Regional Institute of Social Welfare Research, 1971. ED 056 356.

Juhasz, Ann McCreary. "The Unmarried Adolescent Parent." Adolescence 9, No. 34 (1974) 263-272.

Kane, Francis J. & Lachenbruch, Peter A. "Adolescent Pregnancy: A Study of Abortion and Non-Abortion." American Journal of Orthopsychiatry, 43, No. 5 October, 1973) 796-803.

BEST COPY

Kaplan, Howard B. and others. "Psychosocial Antecedents of Unwed Motherhood Among Indigent Adolescents." Journal of Youth and Adolescence 8, No. 2 (June 1979) 181-207.

Kellam, Sheppard G. and others. "The Long Term Evolution of the Family Structure of Teenage and Older Mothers." Journal of Marriage and the Family, 44. No. 3 (August 1982) 539-554.

Kidder, Mary Jane. "Counseling the Pregnant Teenager." Searchlight Relevant Resources in High Interest Areas. Ann Arbor, Michigan: ERIC Clearinghouse on Counseling and Personnel Services, 1971.

Kipp, Marjorie and Griggs, Shirley A. "Special Education Centers for Unwed Pregnant Girls." School Counselor, 22, No. 5 (May 2975) 342-46.

Klein, Luella. "Models of Comprehensive Services: Regular School Based." Journal of School Health, 45, No. 5 (May 1975) 271-273.

Klerman, Lorraine V. "Adolescent Pregnancy: The Need for New Policies and New Programs." Journal of School Health, 45, No. 5 (May 1975) 263-267.

Kogan, William S, Boe, Earling E., & Gocha, Edward F. "Personality Changes in Unwed Mothers Following Parturition." Journal of Clinical Psychology, 24, No. 1 (1968) 3-11.

Kyu-Taik, Sung. "An Integrated Human Service Program for Teenage Mothers and Their Children." International Social Work 23, No. 1 (1981a) 16-23.

Kyu-Taik, Sung. "The Role of Day Care for Teenage mothers in a Public School." Child Care Quarterly 10, No. 2 (Summer 1981b).

Langhorst, Beth Hoover. "Maternal Accommodation: Quantitive Look at A Qualitative Phenomenon."

Levenson, Phyllis and others. "Adolescent Parent Education: A Maturational Model." Child Psychiatry and Human Development, 9, No. 2 (Winter 1978a) 393-96.

Levenson, Phyllis and others. "A Comprehensive Interactional Model for Health Education Delivery to Teenage Parents." Journal of School Health 49, No. 7 (September 1979) 393-96.

Levenson, Phyllis and others. "Serving Teenage Mothers and Their High Risk Infants." In Children Today, 7, No. 4 (July-August 1978b) 11-15.

Lewis, Judith and others. Family Development Center: A Demonstration Project. Washington, D.C.: Office of Child Development, 1975. ED 121 412.

Lorenzi, M. Elisabeth, Klerman, Lorraine V. & Jekel, James F. "School-Age Parents: How Permanent a Relationship?" Adolescence, 12, No. 45 (Spring 1977) 13-22.

Los Angeles City Schools. Educational and Medical Services to School Age Expectant Mothers. Los Angeles, California: City Schools, 1967. ED 017 618,

BEST COPY

Mackey, Betsy & Milloy, Margaret. "The Impact of Teenage Pregnancy on the Professional Educator." Family Coordinator, 23, No. 1 (January 1974) 15-18.

Magrab, Phyllis R. & Danielson, Murphy, Jean. "Adolescent Pregnancy: A Review." Journal of Clinical Child Psychology, 8, No. 2 (Summer 1979) 121-125.

Martinson, Floyd, M. "Sexual Knowledge, Values, and Behavior Patterns of Adolescents." Child Welfare, 47, No. 7 (1965) 405-410.

McKenry, Patrick C, Walter, Lynda Henley & Johnson, Carolyn. "Adolescent Pregnancy: A Review of the Literature." Family Coordinator, 28, No. 1 (March 1979) 17-18.

McLaughlin, Joseph and others. "Social-Psychological Characteristics of Adolescent Mothers and Behavioral Characteristics of Their First Born Infants." Journal of Population, 2, No. 1 (July 1979) 69-73.

Mecklenburg, Fred E. Pregnancy: An Adolescent Crisis. Minnesota Medicine, 56, No. 2 (1973) 101-104.

Mercer, Ramona T. Internal and External Constraints on Teenage Mothering. San Diego, California: National Council on Family Relations, 1977. ED 151 678.

Meyerowitz, J. H. & Malev, Jonathan S. "Pubescent Attitudinal Correlates and Antecedents to Adolescent Illegitimate Pregnancy." Journal of Youth and Adolescence, 2, No. 3 (September 1973) 251-258.

Miller, Alma G. "The Relationship between Family Interaction and Sexual Behavior in Adolescence." Journal of Community Psychology, 2, No. 3 (July 2974) 285-288.

Millman, Sava & Mosher, William D., preparers. "Selected Demographic Characteristics of Teenage Wives and Mothers." Advancedata, 61, (September 26, 1980) 1-9.

Minnesota Center for Health Statistics. Healthy People: The Minnesota Experience. St. Paul, Minnesota: Minnesota Department of Health, 1982.

Moore, Kristin A. & Hofferth, Sandra L. The Consequences of Age at First Childbirth: Family Size, Working Paper. Washington, D.C.: National Home Study Conference, 1978.

Moore, Kristin A. and others. "Teenage Motherhood: Its Social and Economic Costs." Children Today 8, No. 5 (September/October, 1979) 12-16.

Morrow, Betty Hearn. "Elementary School Performance of Offspring of Young Adolescents." American Educational Research Journal, 16 No. 4 (1979) 423-429.

Nelson, Kathleen G., et. al. "The Teen TOT Clinic: An Alternative to Traditional Care for Infants of Teenaged Mothers." Journal of Adolescent Health care, 3, No. 1 (August 1982) 19-23.

BEST COPY

Nettleton, Carol A. & Cline, David W. "Dating Patterns, Sexual Relationships, and Use of Catraceptive of 700 Unwed Mothers During a Two-Year Period Following Delivery." Adolescence, 10, No. 37 (Spring 1975) 45-57.

Norris, Carol A. and others. Cyesis: Year-End Evaluation 1980-81. Phoenix, Arizona: Phoenix Union High School, 1981.

Osofsky, Howard J. The Pregnant Teenager: A Medical, Education, and Social Analysis. Springfield, Illinois: Thomas, 1968.

Osofsky, Howard J. and others. Problems of the Pregnant School-girl: An Attempted Solution. Syracuse, New York: Upstate Medical Center, 1967 ED 017 604.

Palmer, Emily. "A Community Based Comprehensive Approach to Serving Adolescent Parents." Child Welfare, 60, No.3 (March 1981) 191-197.

Parke, Ross, Power, Thomas G. & Fisher, Teresa. "The Adolescent Father's Impact on Mother and Child." Journal of Social Issues, 36, No. 1 (Winter 1980) 88-106.

Patten, Marie A. "Self Concept and Self-Esteem: Factors in Adolescent Pregnancy." Adolescence, 16, No. 64 (Winter 1981) 765-778.

Peabody, Ellen McKenry & Patrick, Cordero Leandro. "Subsequent Pregnancy Among Adolescent Mothers." Adolescence, 16, No. 63 (July 1981) 563-568.

Pettapiece, Mervyn Arthur. "Interpersonal Relationship and Affection Needs of Black, Inner-City, Unwed Mothers." Dissertation Abstracts International, 41, No. 4 (1980 1526-A.

Phipps, Yonas Susan. "Teenage Pregnanacy and Motherhood: A Review of the Literature." American Journal of Orthopsychiatry, 50 No. 3 (1980) 403-431.

Plinois, Betty Moore. "Adolescent Pregnancy: Review of the Literature." Social Work, 20, No. 4 (1975) 302-307.

Presser, Harriet B. Social Consequences of Teenage Childbearing. Bethesda, Maryland: National Institute of Health, 1975. ED 192 189.

Price, Joseph V. "Problems of Adolescent Fathers." American Journal of Orthopsychiatry, 41, No. 2 (1971) 294-296.

Richardson, Ann. Evaluation of a Public School Program for Pregnant Girls. Washington, D.C.: Bureau of Social Science Research, Inc., 1966. ED 180 052.

Ricketts, Susan Austin. "Contraceptive Use among Teenage Mothers: Evaluation of a Family Planning Program." Dissertation Abstracts International 74-24 52.

BEST COPY

Robertson, Ellen E. Effect of Parent Training on Teenage Mothers. Unpublished Dissertation Albany, Georgia: Walden University, 1978.

Robinson, Bryan E. & Barret, Robert L. "Issues and Problems Related to Research on Teenage Fathers: A Critical Analysis." Journal of School Health, 52, No. 10 (December 1982) 596-600.

Rogeness, Graham A. and others. "Comparison of Teen Parents in a Special School Program with Other Corresponding Students." Education 101, No. 4 Summer 1981a) 372-379.

Rogeness, Graham A. and others. "Family Patterns and Parenting Attitudes in Teenage Parents." Journal of Community Psychology, 9, No. 3 (July 1981b) 239-245.

Roosa, Mark W., Fitzgerald, Hiram E. & Carson, Nancy A. "A Comparison of Teen-Age and Older Mothers: A System Analysis." Journal of Marriage and the Family, 44, No. 2 (May 1982a) 367-377.

Roosa, Mark W, Fitzgerald, Hiram E & Carson, Nancy A. "Teenage and Older Mothers and Their Infants: A Descriptive Comparison." Adolescence, 17, No. 65 (Spring 1982b) 1-17.

Roosa, Mark W., Fitzgerald, Hiram Ed. & Carson, Nancy A. "Teen Parenting and Child Development: A Literature review." Infant Mental Health Journal, 3, No. 1 (Spring, 1982c) 4-18.

Rosen, Raye H. Teen-Age Pregnancy and Parental Involvement: Changing Trends Chicago, Illinois: Paper presented at the Annual Meeting of the Society of Social Problems, 1977. ED 151 673.

Rosenberg, Jo and others. When Children Become Mothers, A Group Therapy Experience with Teenage Single Parents. Washington, D.C.: Paper presented at the Annual Meeting of the American Orthopsychiatric Association. 1978. ED 112 332.

Rothenberg, Perarila Breckner & Varga, Phyllis E. "The Relationship between Age of Mother and Child Health and Development." American Journal of Public Health 71, No. 8 (March, 1981) 810-817.

Salquero, Carlos and others, "Studies of Infants at Risk and their Adolescent Mothers," Adolescent Psychiatry. 8 (1980) 404-421.

Segal, Steven M. & Ducette, Joseph, "Locus of Control and Premarital High School Pregnancy." Psychological reports 33, No. 3 (December 1973) 888-890.

Sharpe, Ruth. "Counseling Services for School-Age Pregnant Girls." Journal of School Health 45, No. 5 (May 1975) 284-285.

Shubin, Seymour. "The 'Forgotten Men' Program for Unmarried Fathers." SK & F Psychiatric Report 37 (1968) 8-9.

BEST COPY

Singer, Ann. "A program for Young Mothers and Their Babies." Social Casework 52, No. 9 (January 1971) 567-577.

Slavik, Carol A. Coping with the Teen Age parent. Miami Beach, Florida: Paper presented at the Annual Meeting of the National School Board Assocaiation, 1975. ED 106 919.

Smith, Eleanor Wright. "The Role of the Grandmother in Adolescent Pregnancy and Parenting." Journal of School Health 45, No. 5 (May 1975) 278-283.

Smith, Marie. "Unwed Pregnant Adolescents' Relationships with Their Parents and Their Decision to Keep or Release Their Babies." Smith College Studies in Social Work 48, No. 1 (July 1977) 35-36.

Smith, Peggy B., Mumford, D. M. & Hanner, Elinor. "Hotline for Teenage Mothers." American Journal of Nursing 75, No. 9 (January 1975) 1504.

Smith, Peggy B. and others. "Social and Affective Factors Associated with Adolescent Pregnancy." Journal of School Health, 52, No. 2 (February 1982) 90-93.

Spadaccini, Vic & Whiting, Karen. Minnesota Pocket Data Book 1983-84. Minneapolis, Minnesota: Blue Sky Marketing, Incorporated, 1983.

Stine, Oscar C., Kelley, Elizabeth B., "Evaluation of a School for Young Mothers: The Frequency of Prematurity among Infants Born to Mothers under 17 Years of Age According to Mother's Attendance at A Special School during Pregnancy." Pediatrics 146, No. 4 (October, 1970) 581-589)

Stone, Judith P. "Some Teenagers Are Still Having Babies." Psychiatric Opinion 12, No. 3 (March 1975) 29-35.

Sugar, Max. "At Risk Factors for the Adolescent Mother and Her Infant." Journal of Youth and Adolescence 5, No. 3 (September 1976) 251-270.

Swain, Douglas B. & Parke, Rose D., "Adolescent Fathers. Some Implications from Recent Research on Paternal Roles." Educational Horizons 55 No. 1 (Fall, 1976) 38-43.

Truss, Carroll V. and others. Parent Training in Preprimary Competence. San Francisco, California: Paper presented at the annual convention of the American Psychological Association, 1977. ED 153 701.

Ventura, Stephanie J. Trends and Differencials in Births to Unmarried Women, United States, 1970-76. Hyattsville, Maryland: Office of Health Statistics, and Technology: National Center for Health Statistics, 1980.

Washington, Vivian E. Models of Comprehensive Services--Special School Based." Journal of School Health 45, No 5 (March 1975).

Weigle, Joan W. "Teaching Child Development of the Teenage Mother." Children Today 3, No. 5 (September-October 1974) 23-25.

BEST COPY

Widmayer, Susan M. & Field, Tiffany M. "Effects of Brazelton Demonstration on Early Interactions of Pre-term Infants and Their Teenage Mothers." Infant Behavior and Development 3, No. 1 (January 10980) 79-89.

Wise, Susan & Grossman, Frances K. "Adolescent Mothers and Their Infants: Psychological Factors in Early Attachment and Intervention." American Journal of Orthopsychiatry 50, No. 3 (July 1980) 454-468.

Wutka, Patricia B. Child Rearing Attitudes and Parents of Adolescent Parents. Atlanta, Georgia: Paper presented at Toward the Competent Parent: An Interdisciplinary Conference on Parenting, 1977. ED 176 846.

Young, Alma T. and others. "Parental Influence on Pregnant Adolescents." Social Work 20, No. 5 (September 1975) 387-391.

Zellman, Gail L. The Response of the Schools to Teenage Pregnancy and Parenthood. Santa Monica, California: Rand, 1981.

BEST COPY